

Figure 1

Human MAPKHSDEGPAKSAALRKIATATLVISLARQVQWANEBSIRQAGEPTOMLPQGTQDSP 60
 Mouse MAPGKEREKAGPAKSAALRKVRTATLVISLARQVQWANEBSIRQAGEPAGNLPQATYEDVP 60

Human GAPKPIPTPTSEKKAQAPKSPPLPFGKGDGQSEKAPKVSNIKKEKVKTYVVKTYER 120
 Mouse MAPKTAGP-----IQMAPKTLSPKPDHGDGQSEKAPKVSNIKKEKVKTYVVKTYER 114
 Zebrafish TKTQIVTKATTPKCEK 17

Human GGDVSELSERYEDAGVLEPGQPEHDIKILSNGSPTRRRICANLVSELTGWRVMEQ 180
 Mouse GGDVETLSERYEDAGVLEPGQPEHDIKILSNGSPTRRRICANLVSELTGWRVMEQ 174
 Zebrafish GKDLVAVIKKXINTN-----QTTEDTKHPLGNESPTRRRICANLVSELTGWRVMEQ 71

Human EPTWKSDEVDTEDSGYGGRARRPKQDGVQVAVVRIKPLPSQVNRPT-ERHCKAQQHY 239
 Mouse EPTWKSDEVDTEDSGYGGRARRPKQDAAPVAPARIKPLPSQVNRPT-ERHCKAQQHY 233
 Zebrafish EHCERSSELDADDSGLC-----REASLSD-----WEDLNEKPEKVEYKIKIV 115
 C.elegans SIACAKID 9
 D.melanogaster KTDVSEHCGALRPVVD 16

Human GQGLGRWQWADDEHISGLSPFSFDIYELNSRLKQDEGEGRPKEGKTA 299
 Mouse GQGLGRWQWADDEHISGLSPFSFDIYELNSRLKQDEGEGRPKEGKTA 293
 Zebrafish GQGLGRWQWADDEHISGLSPFSFDIYELNSRLKQDEGEGRPKEGKTA 174
 C.elegans KTFKPEKQVATKEDVIEKDKKMDSE-----TGKPEGLTE 60
 D.melanogaster KTFKPEKQVATKEDVIEKDKKMDSE-----TGKPEGLTE 73

Human AAEIRREHICFICTMAE--DGKIDTFGLDFDAVVISDRVVGILRARR 357
 Mouse AAEIRREHICFICTMAE--DGKIDTFGLDFDAVVISDRVVGILRARR 351
 Zebrafish AAEIRREHICFICTMAE--DGKIDTFGLDFDAVVISDRVVGILRARR 351
 C.elegans AAEIRREHICFICTMAE--DGKIDTFGLDFDAVVISDRVVGILRARR 119
 D.melanogaster AAEIRREHICFICTMAE--DGKIDTFGLDFDAVVISDRVVGILRARR 137

Human GDFEGENLVQGRDDVVVTLE 381
 Mouse GDFEGENLVQGRDDVVVTLE 375
 C.elegans KDFEGENLVQGRDDVVVTLE 162
 D.melanogaster KDFEGENLVQGRDDVVVTLE 193

Figure 2

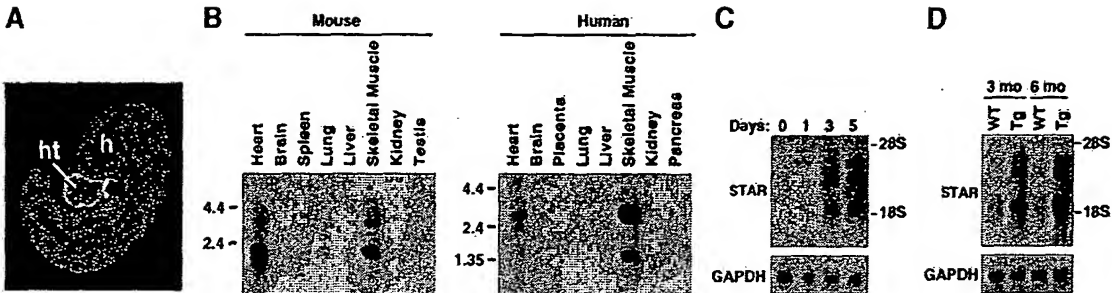


Figure 3

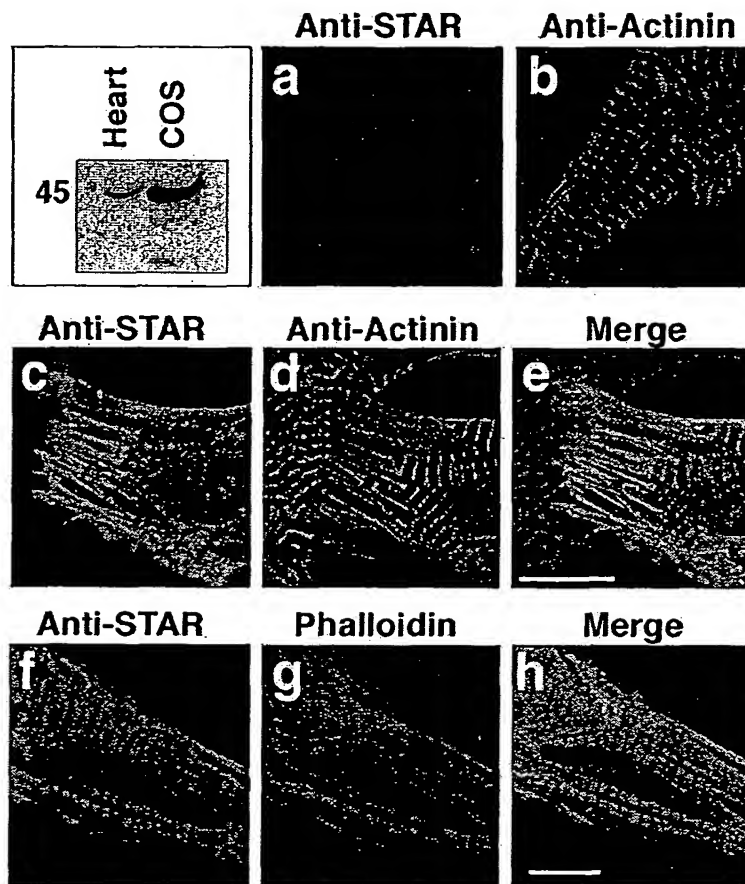


Figure 4

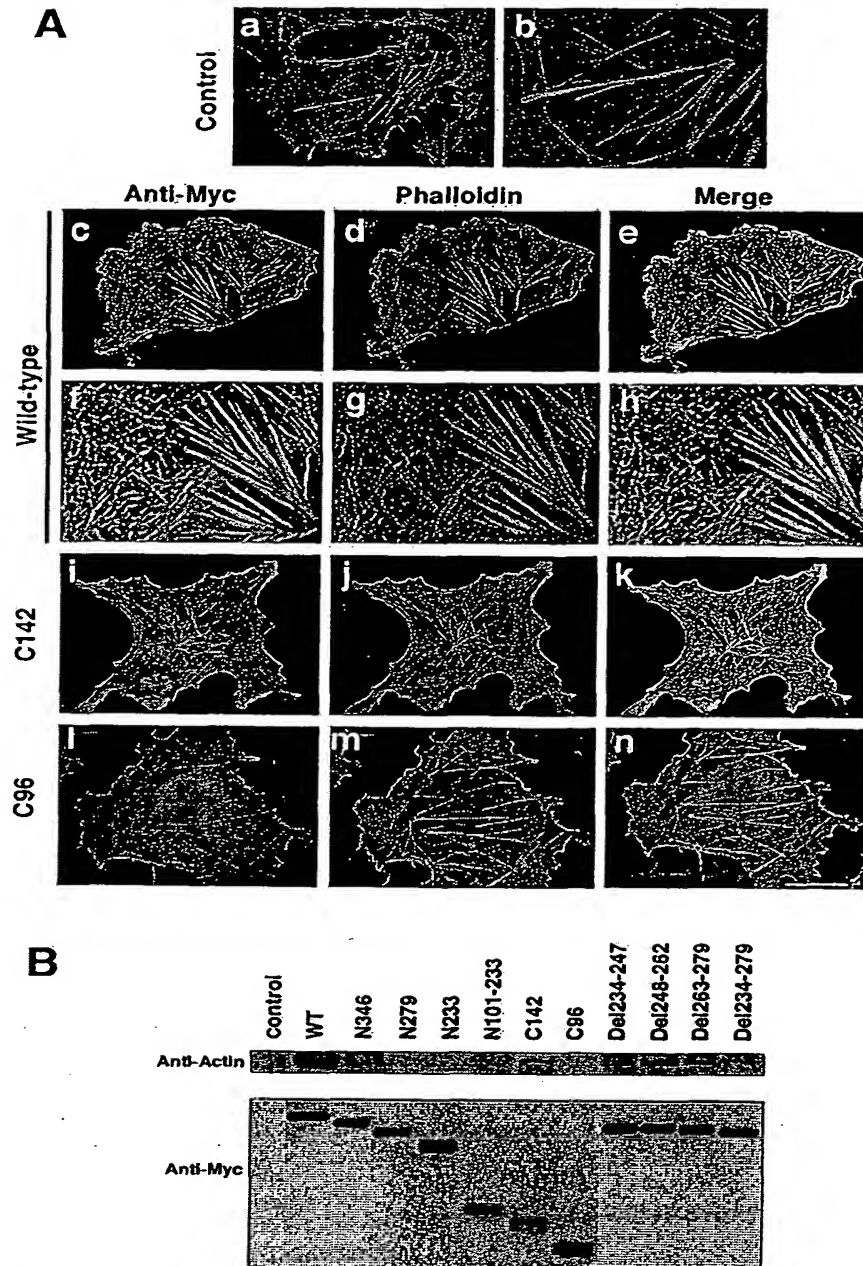


Figure 5

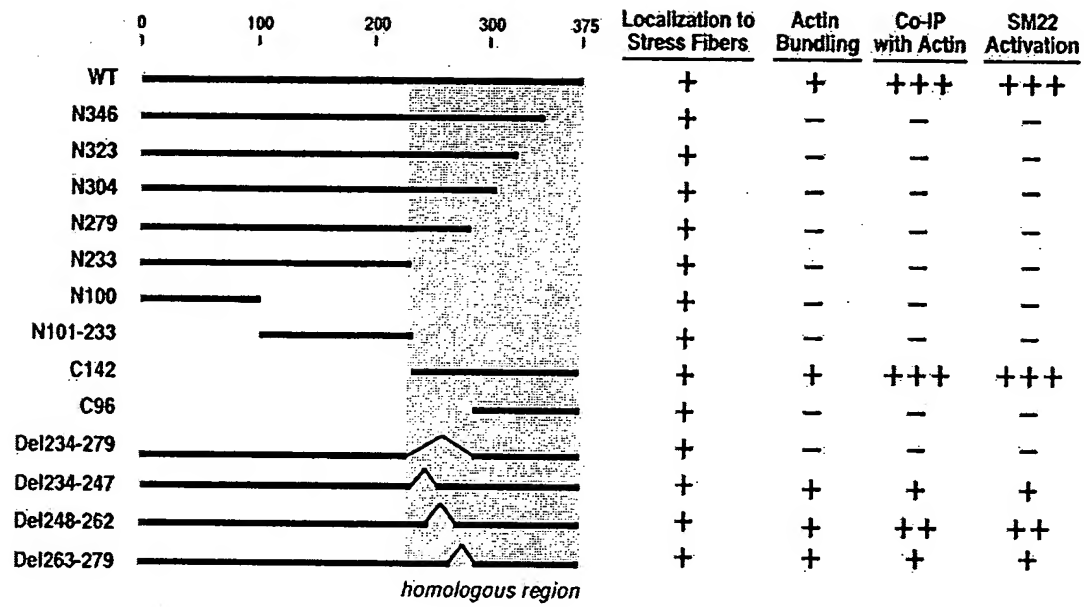


Figure 6

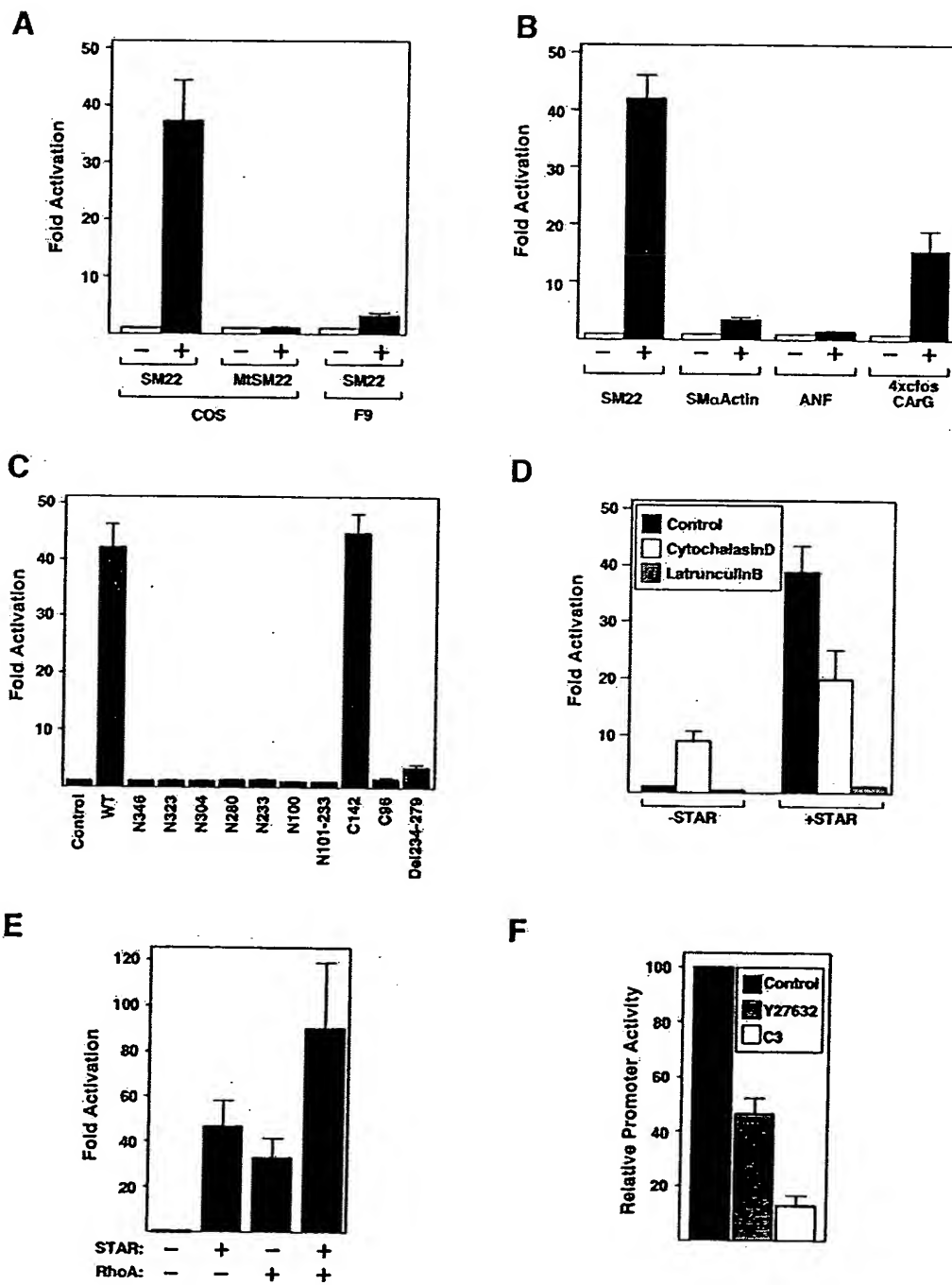


Figure 7

